UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF ALLOWANCE AND FEE(S) DUE

30542	7590	11/10/2004

FOLEY & LARDNER
P.O. BOX 80278
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Technology Center 2100

EXAMINER
TRUONG, CAM Y T

ART UNIT	PAPER NUMBER
2162	

DATE MAILED: 11/10/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,171	07/03/2001	Joakim F. Peleus	025182-0106	9630

TITLE OF INVENTION: SYSTEM AND METHOD FOR NORMALIZING A RESUME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1370	$0	$1370	02/10/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page 1 of 3

PTOL-85 (Rev. 11/04) Approved for use through 04/30/2007.

Complete and send this form, together with applicable fee(s), to: <u>Mail</u>

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,171	07/03/2001	Joakim F. Peleus	025182-0106	9630

TITLE OF INVENTION: SYSTEM AND METHOD FOR NORMALIZING A RESUME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1370	$0	$1370	02/10/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRUONG, CAM Y T	2162	707-006000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❏ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❏ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE   (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❏ Individual ❏ Corporation or other private group entity ❏ Government

4a. The following fee(s) are enclosed:

❏ Issue Fee

❏ Publication Fee (No small entity discount permitted)

❏ Advance Order - # of Copies _____

4b. Payment of Fee(s):

❏ A check in the amount of the fee(s) is enclosed.

❏ Payment by credit card. Form PTO-2038 is attached.

❏ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

❏ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

❏ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____   Date _____

Typed or printed name _____   Registration No. _____

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,171	07/03/2001	Joakim F. Peleus	025182-0106	9630

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 238 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 238 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

PTOL-85 (Rev. 11/04) Approved for use through 04/30/2007.

	Application No.	Applicant(s)
Notice of Allowability	09/898,171	PELEUS ET AL.
	Examiner	Art Unit	
	Cam Y T Truong	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *6/2/2004*.

2. ☒ The allowed claim(s) is/are *13-24*.

3. ☒ The drawings filed on <u>27 October 2003</u> are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some* c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

      Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

SHAHID ALAM
PRIMARY EXAMINER

DETAILED ACTION .

1.   Applicant has canceled claims 1-12 and added claims 13-24 in the amendment filed

6/2/2004. Claims 13-24 are pending in this Office Action.

EXAMINER'S AMENDMENT

2.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Attorney Aaron C. Chatterjee, Reg. No. 41,398 on 09/22/2004.

In the claim: Please replace original claims 15, 16, 23 and 24 with amended claims 15, 16, 23

and 24.

13.   (New) A computer implemented method of transferring alien free-text,
unstructured multi-lingual information from a resume to a discreet information categorization,
comprising:

      a)   pre processing a resume using lexical and content analysis to:

          i)   determine the language of the resume;

          ii)   determine the origin of the resume;

          iii)   determine to layout and general topology of the resume; and

          iv)   determine the discreet type of the resume based on the determined
language, layout and topology of the resume;

      b)   selecting a processing template based on steps a.i. to a.iv. and inputting the
template into memory, said template having a discreet (predetermined) number of layouts,
topologies and categories and sets or series of sections of text information for each category;

      c)   providing a set of default templates per determined language when the lexical
and content analysis fails to determine the layout, topology and type of the resume;

d)   implementing the default templates to allow the system to extract the most important information on the resume allowing an automated contact generation and response to a resume originator;

e)   automatically generating a contact or response to the resume originator by either electronic or paper based means;

f)   normalizing the resume by using the template to associate each resume content section with a discreet information category thereby creating a plurality of normalized resume contents; and

g)   automatically transferring each normalized resume content to a resume data section within a discreet data store comprising a database or a tagged data store including XML in which each said resume data section is identified by a storage section identifier comprising a fieldname or a tag-name mapped to the normalized resume content.

15.   (New) The method of claim 13 in which one syntactical language categorization matches a sequence of characters section within a resume heading.

16.   (New) The method of claim 13 in which one syntactical language categorization matches a sequence of characters section within a resume content.

23.   (Currently Amended) A system for transferring free text, unstructured, multi-lingual information from a resume to a discreet data store comprising:

means for inputting a resume into a memory, said resume being of unknown language and having a plurality of resume contents;

means for pre processing the resume using lexical and content analysis to determine the language of the resume;

means for pre processing the resume to determine a resume type based on the language and the lexical and content analysis of the resume;

means for selecting a processing template based on the resume type, and inputting the template into memory, the template having a discreet number of layouts, topologies and categories and sets or series of sections of text information for each category;

means for normalizing the resume by using the template to associate each resume content section with a discreet information category thereby creating a plurality of normalized resume contents;

means for automatically transferring each normalized resume content to a data section within a discreet data store comprising a database or a tagged data store including XML in which each said resume data section is identified by a storage section identifier comprising a fieldname or a tag-name mapped to the normalized resume content; and

means for an automated resume response mechanism to a resume originator using either electronic or paper based.

24.   (Currently Amended) A computer readable medium having program code recorded thereon that, when executed, causes a computing system to transfer free text, multi-lingual information from a resume to a data store, the program code comprising:

code for inputting a resume, of unknown origin, content and format, into memory, said resume having a plurality of language, layout and contents;

code for preprocessing the resume, using lexical and content analysis, to determine the origin and language of the resume;

code for preprocessing the resume to determine a resume type based on the determined language, origin, layout and topology of the resume;

code for selecting a template based on the determined type of resume and inputting the template into memory, said template having a discreet number of layouts, topologies and categories and sets or series of sections of text information for each category;

code for selecting a default template when the resume type cannot be determined to allow the system to extract the most important information on the resume allowing an automated contact generation and response to the resume originator;

code for automatically transferring each normalized resume content to a data section within a discreet data store comprising a database or a tagged data store including XML in which each said resume data section is identified by a storage section identifier comprising a fieldname or a tag-name mapped to the normalized resume content; and

code for automatically generating a contact or response to a resume originator using either electronic or paper based means.

Allowable Subject Matter

3.   Claims 13-24 are allowed.

The prior art of record, alone or in combination, does not teach or fairly suggest the combination of steps as recited in independent claims 13 and 24, wherein "pre processing a resume using lexical and content analysis to: i) determine the language of the resume; ii) determine the origin of the resume; iii) determine to layout and general topology of the resume; and iv) determine the discreet type of the resume based on the determined language, layout and topology of the resume; selecting a processing template based on steps a.i. to a.iv. and inputting the template into memory, said template having a discreet (predetermined) number of layouts, topologies and categories and sets or series of sections of text information for each category; automatically generating a contact or response to the resume originator by either electronic or paper based means".

The prior art of record, alone or in combination, does not teach or fairly suggest the combination of steps as recited in independent claim 23, wherein "pre processing the resume to determine a resume type based on the language and the lexical and content analysis of the resume; normalizing the resume by using the template to associate each resume content section with a discreet information category thereby creating a plurality of normalized resume contents; an automated resume response mechanism to a resume originator using either electronic or paper based".

The dependent claims, bring definite, further limiting, and fully enabled by the specification are also allowed.

Contact Information

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Cam Y T Truong whose telephone number is (703) 605-

1169. The examiner can normally be reached on Monday to Firday.

    If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Breene can be reached on (703) 305-9790. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

    Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Cam-Y Truong

9/23/2004

SHAHID ALAM
PRIMARY EXAMINER

		Application/Control No.	Applicant(s)/Patent Under Reexamination
Notice of References Cited		09/898,171	PELEUS ET AL.
		Examiner Cam Y T Truong	Art Unit 2172	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
*	U	Person, Ron "Using Word version 6 for Windows"; Que Corporation, 1993, ISBN: 1-56529-469-6. Library of congress catalog No: 93-86247, David P. Ewing, 1993, Page 166-191.
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office
PTO-892 (Rev. 01-2001)   **Notice of References Cited**   Part of Paper No. 20040923